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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/562,572	12/27/2005	Takashi Isobe	1163-0542PUS1	7881
2292 7590 10/04/2007 BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747			EXAMINER STERLING, AMY JO	
			ART UNIT 3632	PAPER NUMBER
			NOTIFICATION DATE 10/04/2007	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

Office Action Summary

Application No.

10/562,572

Applicant(s)

ISOBE ET AL.

Examiner

Amy J. Sterling

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 December 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 15-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 15-18 and 23-28 is/are rejected.
- 7) ☒ Claim(s) 19-22 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 December 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>12/27/05</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This is the first Office Action for application number 10/562,572 On-Vehicle Display Device, filed on 12/27/05. Claims 15-28 are pending.

Information Disclosure Statement

The information disclosure statement submitted on 12/27/05 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement has been considered by the examiner.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 15-28 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The claims are generally narrative and indefinite, failing to conform with current U.S. practice. They appear to be a literal translation into English from a foreign document and are replete with grammatical and idiomatic errors.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

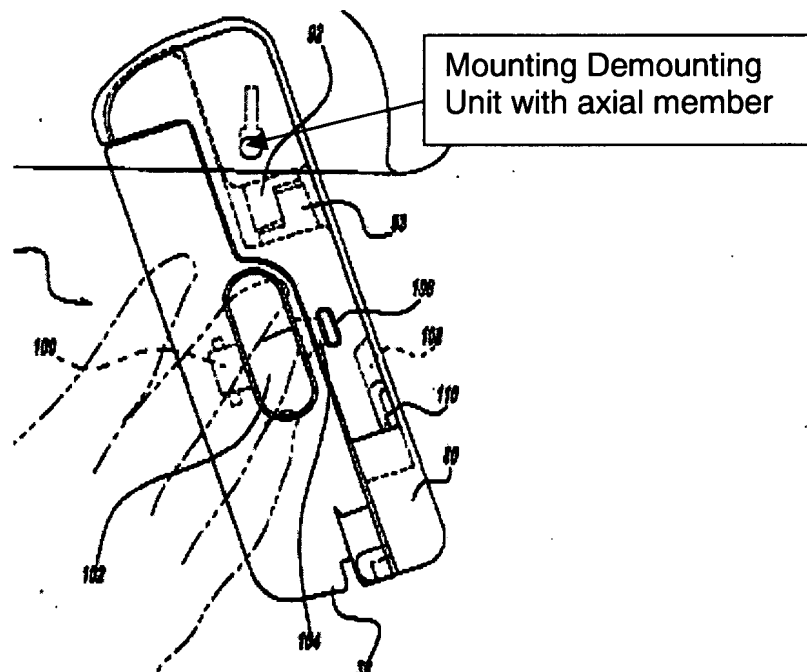
(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 15-17 and 24-28 are rejected under 35 U.S.C. 102(e) as being anticipated by United States Patent Publication No. 2006/0109388 to Sanders et al.

The publication to Sanders et al. discloses a vehicle-mounted display apparatus including a cabinet having a display unit, and a supporting base which is a member combined with the cabinet and which is secured to an arbitrary position, characterized in that the vehicle-mounted display apparatus having an attitude setting mechanical unit for, when combining the cabinet (54) and the supporting base (80), enabling determination of a rotational attitude of one of them with respect to the other one for each of a plurality of positions; a mounting and demounting mechanical unit (See Below) for combining the cabinet and the supporting base so that the cabinet can be mounted to and demounted from the supporting base; and an operating mechanical unit (42) for holding the combination of the cabinet and the supporting base, and for canceling the combination of them and wherein an axial member means (See Below) is disposed, as the mounting and demounting mechanical unit, in one of the cabinet and the supporting base and a convex portion with rotational symmetry is formed, as the attitude setting mechanical unit, in an outer surface of this axial member disposed in the cabinet and an operation means for causing the axial member means to reciprocate is

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also, as the operating mechanical unit, disposed in the cabinet, and the fitting hole means is disposed in the supporting base and a concave portion with rotational symmetry which is engaged with the convex portion is formed, as the attitude setting mechanical unit, in an inner surface of the fitting hole means.



Sanders et al. also teaches a second mounting and demounting mechanical unit (106) for combining the cabinet and the display unit so that the display unit can be mounted to and demounted from the cabinet; and a second operating mechanical unit for holding the combination of the cabinet and the display unit, and for canceling the combination of them and a third mounting and demounting mechanical unit (See Figure 9) for combining the cartridge and a sound source device so that the sound source device can

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be mounted to and demounted from the cartridge; and a third operation mechanical unit for holding the combination of the cartridge and the sound source device, and for canceling the combination of them and as the third mounting and demounting mechanical unit, an accommodating recess and a pressing means dispensed in one of opposing surfaces of the accommodating recess, for pressing the sound source device which is inserted into the accommodating recess toward another one of the opposing surfaces.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which the subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over United States Publication No. 2006/0109388 to Sanders et al. as applied to claims 15 and 16 above, and in view of Japanese Patent No. 07-329648 to Takeuchi.

Sanders et al. discloses applicant's basic inventive concept, all the elements which are shown above with the exception that it does not show that the axial member means is two regular polygonal prisms which are slidably supported by the cabinet, and which are arranged at an interval and in an identical center line, and the fitting hole

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means is holes each having a shape into which a corresponding one of the regular polygonal prisms can be fitted, and characterized in that the operation means causes the two regular polygonal prisms to open along the identical axis line and in a direction of an outer side of the cabinet in response to a manipulation of an operating member and also causes the two regular polygonal prisms to close in a direction of an inner side of the cabinet using a pressing means, and includes stoppers for restricting movements of the regular polygonal prisms which are caused by this pressing means and a movement transferring means for transferring a movement of the operating member to the axial member means.

Takeuchi teaches a rotational member which has an axial member means (23, 18) which is two regular polygonal prisms which are slidably supported together and which are arranged at an interval and in an identical center line, and the fitting hole means (18) is holes each having a shape into which a corresponding one of the regular polygonal prisms can be fitted, and characterized in that the operation means causes the two regular polygonal prisms to open along the identical axis line and in a direction of an outer side of the cabinet in response to a manipulation of an operating member and also causes the two regular polygonal prisms to close in a direction of an inner side of the cabinet using a pressing means, and includes stoppers for restricting movements of the regular polygonal prisms which are caused by this pressing means and a movement transferring means for transferring a movement of the operating member to the axial member means. This configuration is used so that the device may be selectively located at the desired angle and held there by friction. Therefore, it would

have been obvious to one having ordinary skill in the art at the time the invention was made from the teachings of Takeuchi to have used this configuration in order to be able to locate the display at a desired angle.

Claim 23 is rejected under 35 U.S.C. 103(a) as being unpatentable over United States Publication No. 2006/0109388 to Sanders et al. as applied to claims 15 and 16 above, and in view of United States Patent Publication No. 2002/0113451 to Chang.

Sanders et al. discloses applicant's basic inventive concept, all the elements which are shown above with the exception that it does not show a plurality of cabinets and support bases.

Chang teaches a plurality of cabinets (24) and bases (22), used in order to supply entertainment to each person in the vehicle. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made from the teachings of Chang to have a plurality of units in order to offer a variety of entertainment.

Allowable Subject Matter

Claims 19-22 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

It is perceived that the claims contained allowable subject matter, however, since the claims are rejected under 35 USC 112, the claims are considered fully rejected and

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any subsequent action may be made final if amendments to the claims reveal that the subject matter is old in the art

The reason is that the prior art does not teach that the axial member means is disposed in the cabinet and the fitting hole means is disposed in the supporting base, and the axial member means includes a pressing and holding means for pressing and holding the convex portion in a state in which the convex portion is protruding from the outer surface of the axial member means, and for holding the convex portion so that it can move in a direction of an inner side of the outer surface of the axial member means.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following documents show various mountable units

2005/0205741 to Chen; 2005/0189461 to Peng; 7201354 to Lee; 6633347 to Kitazawa; 6412848 to Ceccanese et al.; 6310767 to Spear et al.; 6059255 to Rosen et al.

Any inquiry concerning this communication should be directed to Amy J. Sterling at telephone number 571-272-6823. The examiner can normally be reached (Mon-Fri 8am-5:00pm). The fax machine number for the Technology center is 571-273-8300 (formal amendments), informal amendments or communications 571-273-6823. Any

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inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist at 571-272-3600.

Amy J. Sterling
9/27/07

Amy J. Sterling
AMY J. STERLING
PRIMARY EXAMINER
TECHNOLOGY CENTER 3600